



OIL PUMP AND PICKUP **INSTALLATION INSTRUCTIONS**

The following precautions should be taken when installing an oil pump:

CLEANLINESS

Be sure to thoroughly clean oil pump inside and out to eliminate any dust or dirt that might be present. Submerge the pump in clean oil and rotate the gears by hand before installing the pump.

CHECKING ENDPLAY

After the pump is installed on the engine, install the distributor and check endplay of the oil pump drive shaft. If no endplay is present, corrective measures must be taken or the pump drive gear will score the pump cover causing premature pump failure and possible bearing problems.

OIL PAN TO PICKUP CLEARANCE

Before the final installation of the oil pan, check the clearance between the pump pickup screen and the pan bottom as follows:

Bolt the pump to the engine. Place a straight edge on pickup and measure the distance from the blocks pan rail to the straight edge. Record this measurement as pickup height.

Then measure the distance from the oil pan bottom to the pan rail. Record this measurement as pan depth.

Subtracting the pickup height from the pan depth gives you the oil pan-to-pickup clearance.

Ideal clearance is 1/4" TO 3/8" to ensure adequate oil supply.

NOTE: On high volume pumps, a new intermediate shaft with a pinned steel sleeve must be used. Moroso and other manufacturers offer driveshafts with steel sleeves. If the steel sleeve is not used, the driveshaft of the oil pump can be damaged, resulting in failure of the pump. Failure to follow this warning voids any warranty of this product.

**For Technical Assistance, Call Moroso's Tech Line at
(203) 458-0542, 458-0546 8:30am – 5:00pm Eastern Time**

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